

Product datasheet for **RR201789**

Galnt16 (NM_001135756) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt16 (NM_001135756) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galnt16
Synonyms:	Galnt17; RGD1564773
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR201789 representing NM_001135756
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGAGGAAACAGAAAAGTTTCTGCAAATGACTTTGTATTCACTGTGGCTTAAATTTCTGCCCA
 ACATTGGTCTCTGGTCTTTGTACAAGGATAAACATCTGATGAAATCTGCAGAACCCGCGAACATCAGAC
 ATTTCCACTGGGCTAGGCGATGGCAATTCTATTCTGGACAGATGGTCTGAGAAGAAAAGACTGGCAT
 GACTATGTGAGCATTAGAAAAGATGCTTTGCGCTCAGGGAAAAGGTGAGCATGGAAAACCATACCCCTTA
 CTGAAGAGGACCATGATGACTCAGCTTACAGGGAAAATGGCTTCAATATTTTTGTCAGCAACAATATTGC
 TCTAGAGAGGTCTCTGCCAGACATCCGCCATGCTAACTGTAAGCACAAGATGTACCTTGAAGGCTGCCA
 AACACCAGCATCATTATCCCATTCACAATGAAGGCTGGACCTCACTCTTGGGACCATACACAGTATAA
 TCAACCGGACACCGGAGAGTCTGATAGCAGAAAATATTCTAGTCGATGACTTCAGTGATAGAGAACACTT
 GAAAGATAAATTAGAAGATTACATGGCTCGATTTCCCATAGTGAGAATTGTGCGCACCAAGAAAAGGGAG
 GGACTCATCCGGACCCGACTCCTGGGAGCTTCTGTGGCCAGAGGCGAGGTGCTGACCTTCTGGACTCCC
 ATGTGTGAGGTCAATGTGAACTGGCTGCCCCCTCTCCTCAACCAAATTGCACTAAACCACAAAACCATCGT
 GTGTCCCATGATCGATGTCATTGACCACAGTCACTTTGGGTACGAGGCACAAGCTGGGGATGCCATGCGA
 GGAGCCTTCGACTGGGAAATGACTACAAAAGAATCCCATCCCTCCAGAGCTCCAGCGGGCTGATCCCA
 GCGAGCCTTTTGGAGTCTCTGTTATGGCTGGAGGTCTCTTTCAGTGGATCGAAAGTGGTTTTGGAACT
 GGGTGGCTATGACCCAGGCTTAGAAAATCTGGGGAGGAGAGCAGTATGAAATCTCTTTTAAAGTTTGGATG
 TCGCGGAGGAGAAAATGTTTCGATGTTCCATGTTCTAGAGTCGGTCATATCTACAGGAAGTATGTCCTTATA
 AAGTTCCTGCTGGGACTAGCCTGGCAAGGAACCTGAAGCGCTGGCTGAGACCTGGATGAAATTTGC
 TGAGTACATTTACCAGCGCGGCCAGAGTACAGGCACCTCTCCACCGGAGACATCTCTGCCCAGAAGGAG
 TTGCGGAAAACGACTTAAGTGCAAAGACTTCAAATGGTTCATGGCTGCGGTGGCCTGGGATGTGCCGAAGT
 ACTACCCTCCGGTCGAGCCCTGCCTGCGGCATGGGGTGAAGTTCGAAATGTGGCAGCAAACCTTATGTGT
 GGATAGCAAGCATGGAGCCATGGGGACCGAACTGAGGCTGGACATCTGTGTGAAGGATGGTTCGAAAGG
 ACATGGTCTCACGAACAGCTCTTACTTTTCGGGTGGAGAGAAGATATTCGACCTGGTGGCCTCTGCACA
 CCCGAAAATTCTGCTTGGATGCCATCTCACACAGCAGCCCTGTACCCTCTACGACTGTCACGGCATGAA
 AGGCAACCAGCTCTGGGATACCGGGAGGACAGAACATTATCCATCCCGTGAGCAACAGCTGTATGGAC
 TGCAACCTGCAGAGAAGAAGGTTTTTCATGGCCAGATGTGACCCTCTGTCCGAGACTCAGCAGTGGATGT
 TTGAACACATCAACATGACTGTTTTAGAAAAAATTAGCCATTATGCCATCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201789 representing NM_001135756
 Red=Cloning site Green=Tags(s)

MKRKQKRFLQMTLLFTVALIFLPNIGLWSLYKDKHLMKSAEPAEHQTFPLGLGDGQFYSWTDGLRRKDW
 DYVSIQKDALRSGKGEHGKPYPLTEEDHDSAYRENGFNIFVSNNIALERSLPDIRHANCKHKMYLERLP
 NTSIIIPFHNEGWTSLLRTIHSIINRTPESLIAEIIIVDDFSDREHLKDKLEDYMARFPIVRIVRTKKRE
 GLIRTRLLGASVARGEVLTFLDHCEVNVNWLPLLNQIALNHKTIIVCPMIDVIDHSHFGYEAQAGDAMR
 GAFDWEMYKRIPPELQADPSEPFESPMAGGLFAVDRKWFELGGYDPGLEIWGGEQYEISFKVWM
 CGGEMFDVPCSRVGHYRKYVYPKVPSTSLARNLKRVAETWMDEFAEYIYQRRPEYRHLSTGDISAQKE
 LRKRLKCKDFKWFMAAVAWDVPKYPPVEPLPAAWGEIRNVAANLVCDSKHGAMGTELRLDICVKDGER
 TWSHEQLFTFGWREDIRPGEPLHTRKFCLDAISHSSPVTLYDCHGMKGNQLWGYREDRTLPHFVNSCMC
 CNPAEKKVFMARCDPLSETQWMFEHINMTVLEKISHYAI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001135756

ORF Size: 1803 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001135756.1](#), [NP_001129228.1](#)

RefSeq Size: 1959 bp

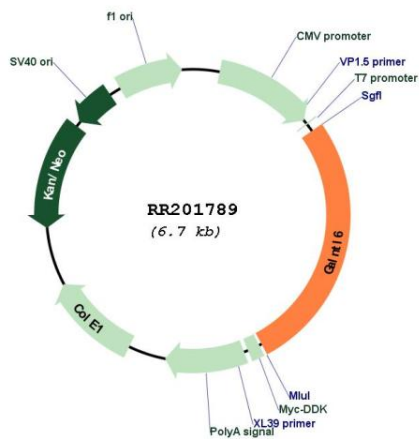
RefSeq ORF: 1806 bp

Locus ID: 361142

Cytogenetics: 16p12-p11

MW: 69.8 kDa

Product images:



Circular map for RR201789